

MORGAN RUSHWORTH XL 4020.12000 FIBRE LASER CUTTING MACHINE

The Morgan Rushworth XL range of fibre lasers are equipped with a 3m x 1.5m up to a 6.5m x 2.5m cutting area with automatic shuttle table with dual pallet changer, enabling parts to be safely loaded and unloaded whilst the machine is still cutting. Class leading components ensure superior cut quality, high reliability and reduced down time.

The range covers from 1.5kW up to 40kW with the Yaskawa motors and drives for the X & Y axis and a rigid gantry and frame structure, resulting in fast acceleration, fast positioning speeds and fast cutting times. The mNEST control includes software for drawing parts or importing DXF files.

FEATURES

- Class leading mLASE fibre laser source
- mCUT cutting head with auto focus and anti-collision functionality
- Automatic nozzle cleaning
- Yaskawa servo motors and drives
- Advanced aluminium gantry
- Automatic gas selection system
- mNEST touchscreen controller
- CCTV system
- Automatic sheet edge detection with skew allowance
- Fast shuttle table change time
- Automatic lubrication system
- Door windows with laser protective material
- Light guard protection for shuttle table

OPTIONS

- Fume extractor with filters

TECHNICAL INFORMATION

MODEL	XL 4020.12000	
Fibre Laser Source	12.0 kW	
Maximum Cutting Capacity		
Mild Steel	mm	40
Stainless Steel	mm	40
Aluminium	mm	40
Brass	mm	15
Copper	mm	10
Production Cutting Capacity		
Mild Steel	mm	30
Stainless Steel	mm	20
Aluminium	mm	25
Brass	mm	12
Copper	mm	8
X Axis Travel	mm	4000
Y Axis Travel	mm	2000
Z Axis Travel	mm	375
Maximum Sheet Size	mm	4050mm x 2030mm
Maximum Sheet Weight	kg	3200
Simultaneous Positioning Speed	m/min	115
Axis Acceleration	G	1.5
Positioning Accuracy	mm	0.03
Length	mm	10570
Width	mm	3430
Height	mm	2350
Weight	Kg	11000

OTHER IMAGES

